## LITHOLOGIC LOG

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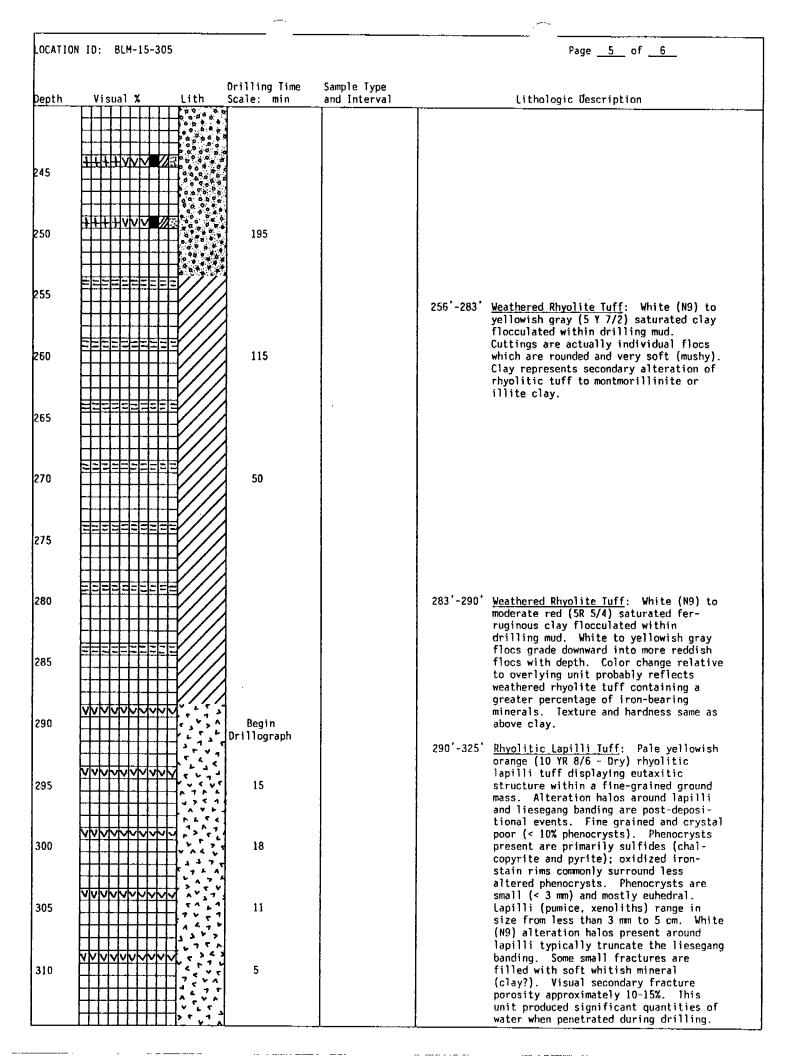
LOCATION MAP: BLM-15-305 •	BW-5-295 •
	BW-7-211 •
MEL .	BW-1-268 • NORTH
BLM-13-300	• BW- 3- 180
<u>NW</u> 1/4 <u>NW</u> 1/4 <u>NE</u> 1/4	SW 1/4 S 34 T 20 R E

OCATION DESCRIPTION: Off the wide of the biggs of the big

LOCA	ATION DESCRIPTION: <u>Off-si</u>	ite within axis o			untered at 256; total depth = 325.
Depth	Visual % Lith	Drilling Time Scale: min	Sample Type and Interval		Lithologic Description
5	H H H V V = Z \( \) O	(First 290' of borehole timed by field reps.)	0'-325' cuttings	0-256'	Alluvium (Santa Fe Group): Grayish orange pink (10 R 8/2 - moist) to grayish black (N2 - moist); cuttings range in size from less than 0.5 mm to 1.5 cm; angular to subrounded; poorly to moderately sorted. Unconsolidated to slightly consolidated, polygenetic,
10	+ + + + + + ∨ ∨ = ∅				pebble to boulder conglomerate including clay, silt, and sand. Lithologies include micritic limestone (medium light gray (N6) to grayish black (N2)), rhyolite, siltstone, andesite, quartzite, granite, calcite, chert, and caliche (primarily as grain coatings).
15	# # # # # # # # # # # # # # # # # # #			0-30'	High (10-25%) clay content, relatively large average cutting size (7 mm).
20	1111VV=270	100		30'-256'	Lower clay content (<10%) and decrease in average cutting size (3 mm). Sandstone cuttings present.
25	+++++V∨≈//::O				
30	AH HHVV=M:o				
35	4 H + H + V \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		:		
40	+++++v <b>=</b> //, o	50			
45					
50	# # # # # # # # # # # # # # # # # # #	60			

LOCATION ID: BLM-15-305 Page <u>3</u> of <u>6</u> Drilling Time Scale: min Sample Type and Interval Depth Visual % Lith Lithologic Description 140'-256' Caliche grain coatings rare to absent. Drill stem rattling through a boulder. No noticeable changes in lithology of limestone cuttings. 

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LOCATIO	ON ID: BLM-15-305			Page <u>4</u> of <u>6</u>
Depth	Visual% Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic Description
180		**************************************		
190		90		
195	111111VV <b>E</b> Z:			
200	H-14-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	75 75		
205	++++++vv <b>=</b> /::			
210	#####WV <b>=</b> ZE	105		
215				215'-256' Igneous cuttings (primarily andesite with some rhyolite) more abundant (20- 30%) indicating clastic influx from volcanic source terrain.
220	14414VV <b>I</b>	80		voicanic source terrain.
225	1-11-11-1VV <b>=</b> 2::			
230				
235	11 11 11 11 VV <b>1</b> 27.			
240	#####VV <b>®</b>	200		
245	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		
		7 6 6 9 6 6 9 6 6		



LOCATI	ON ID: BLM-15~305			Page <u>6</u> of <u>6</u>
Depth	Visual % Lith	Drilling Time Scale: min	Sample Type and Interval	Lithologic'Description
310	VVVVVVVV	5		
315	WWWWWWW.	5	,	
320	VVVVVVVVV	4		
325				Total Depth = 325'
330			-	
335				
340		·		
345				
350				
355				
360				
365				
370				
375				